MODIS TECHNICAL TEAM MEETING

February 2, 1995

The MODIS Technical Team Meeting was chaired by Vince Salomonson. Present were David Herring, Dorothy Hall, Al Fleig, Rosemary Vail, Dick Weber, Bill Barnes, Phil Slater, Barbara Putney, Bruce Guenther, Yoram Kaufman, John Bauernschub, and Wayne Esaias.

1.0 SCHEDULE OF EVENTS

Feb. 13-17	PDR for EOSDIS Science Data Processing System Segment
Feb. 20	MODIS Ocean Discipline Group Meeting, in Miami, FL
Feb. 21 - 24	Workshop on international Calibration/Validation Efforts for EOS Ocean Color Sensors, in Miami, FL
Feb. 27-28	EOSDIS PDR Wrap-up of all Segments
Feb. 27-28	SWAMP Meeting
April 5 - 7	MODLAND - SDST Meeting
May 2	MODIS Calibration Working Group
May 3 - 5	MODIS Science Team Meeting

2.0 MINUTES OF THE MEETING

2.1 MODIS Project Reports

Weber reported that SBRC has temporarily stopped Engineering Model (EM) testing because there are some electrical noise problems on the EM. Weber stated that SBRC has integrated the analog boxes into the EM structure, however the main electronics are still outside the EM.

Weber reported that some MODIS Project personnel (including himself) will travel next week to SBRC to review the detectors and focal plane assembly. They will also conduct a 2-day audit of SBRC's detector quality assurance procedures.

Weber told the Team that Gerry Godden visited SBRC last week and reported Godden's concern that the new extension on the solar diffuser door—which was added to cover the Solar Diffuser Stability Monitor (SDSM)—may cause some stray light path from the door to the scan mirror. Weber reviewed the CAD drawings of the EM and doubts that the new extension on the solar diffuser door is reflecting any stray light.

2.1.1 SRCA Video

Barnes announced that his office has produced a new 6-minute video animation of the SRCA (SpectroRadiometric Calibration Assembly). Copies are being made and will be sent to Science Team members. Barnes said the video gives a good

insight into how the SRCA works. The SRCA will be included on the protoflight model (PFM).

2.2 MCST Reports

Guenther stated that Gerry Godden has been working on the scattered light models closely with Paul Spyak, University of Arizona. Godden reports that his interaction with Spyak has been fruitful and that he is pleased with Spyak's contributions.

Guenther reported that MCST has received the Test Analysis Controller (TAC) software from SBRC and that it is operational. MCST can now read the EM test data tapes from SBRC and get the right answers when they run the data through the TAC software. Guenther is pleased that MCST is able to read and process the data in a new computer with a new software system in such a short time.

2.3 SDST Reports

Fleig reported that Weber's requested meetings with Qiu and Eugene Waluschka on their efforts to model the spurious light effects in MODIS will be held tomorrow. Another meeting on ghosting and spurious light will be held next week. Weber, Fleig, Qiu, Waluschka, Gerry Godden, and John Barker will attend that meeting.

Fleig announced that new hires within SDST are being made and that the new support contractor (GSC) is rapidly coming up to speed.

Fleig noted that SDST is not pushing a hard deadline for beta delivery of Level 3 software until issues about gridding and staffing were clarified. However, all of this is coming together and Science Team Members will soon be pressed about how they intend to make their Level 3 (gridded or averaged) products.

2.4 MIMR Meeting Report

Hall reported that she attended the recent MIMR (Multi-frequency Imaging Microwave Radiometer) Meeting. The MIMR Team is producing a white paper to specify the details of why they want a MIMR on the EOS PM platform.

3.0 ACTION ITEMS

3.1 Action Items Carried Forward

1. *Herring:* Invite Ricky Rood to attend the upcoming MODIS Science Team Meeting.
2. *Herring*: Present the final Agenda and Science Team Meeting logistics at the next Technical Team Meeting.
3. *Guenther:* Report the modeled results of the 1,000K source for SBRC's integration and alignment collimator to the Technical Team.
4. *Weber*: Work with SBRC to obtain MODIS test data. [Test data are forthcoming from SBRC.]

5. *MODIS Team*: Determine how, given the MODIS bowtie effect, MODIS images will be produced at launch. [This may be a suitable topic for discussion at the next Science Team Meeting.]
6. *Fleig and Ungar*: Interact with the group leaders prior to developing a MODIS data simulation plan for review at the next Science Team Meeting. [Work on this item is still in progress.]

4.0 ATTACHMENTS

Note: All recent MODIS documents are maintained in MODARCH. If you would like access to or information about MODARCH, please contact the MODARCH System Administrator, Michael Heney, at (301) 286-4044 or via e-mail at mheney@ltpmail.gsfc.nasa.gov.

1. Ocean Group's Productivity Algorithm Workshop Report, by MOCEAN.
2. Suggestions for Calibration Coefficient Generation, by Phil Slater and Stuart Biggar
3. The Earth Observing System, by Michael D. King, David D. Herring, and David J. Diner
4. MODIS Level 1B Calibration ATBD, by MCST
5. Lunar Viewing Opportunities from the MODIS Space Viewport, by Brij Gambhir and Jack Shumaker